

THE WRANGELL SENTINEL

VOLUME 11, NUMBER 45.

WRANGELL, ALASKA, THURSDAY, NOVEMBER 21, 1912

\$2.50 PER YEAR. 1pc. PER COPY

Ketchikan and Skagway Jeweler Killed By Fall.

H. D. Kirmse, the Ketchikan and Skagway Jeweler, met with a fatal accident at Ketchikan Sunday which caused his instant death. While boarding the Steamer Humboldt he fell from the plank, striking his head upon a pile of the dock, and into the water below.

Mr. Kirmse had just moved from Skagway to Ketchikan and had settled his family comfortably for the winter. His untimely death is felt throughout Southeastern Alaska as he was a pioneer in the jewelry business at Skagway, his Ketchikan store being a branch establishment within the past year.

The Unalga, the new Revenue Cutter destined for Southeastern Alaska service, has been intercepted in the Mediterranean with orders relative to the Turkish war situation and will be delayed in reaching Juneau.

Case-Clarke Nuptials Celebrated Tonight.

The wedding of Miss Dorothy Case and Frank L. Clarke will be celebrated this evening at the home of the brides, parents, Mr. and Mrs. T. J. Case. The newly wed pair will spend their honeymoon on a trip to Seattle and California cities, after which they expect to make a permanent residence in Alaska.

A miscellaneous shower was tendered the bride Wednesday evening. Many of her friends attended and many were the valuable and useful presents given.

He Certainly Had Nerve.

The man is considerable of a bore. He was calling on a girl the other night and had stayed so long that she was somewhat fatigued. About midnight he began to talk about his health. "I'm not well," he said; "it's just my nerve that is keeping me up."

She couldn't resist the temptation. "That's what's keeping me up, too," she said.

A few minutes later he said he guessed he'd have to go.—New York Telegraph.

Burnside Docks To Take Water.

Historic Ship Has Difficulties In Repair Work.

The cable ship U. S. A. T. Burnside, whose crew has been busy since November 11th effecting a repair on the Army Cable, docked at the St. Michael wharf Tuesday afternoon and lay until midnight taking on water. The Burnside has experienced much trouble in picking up the cable on account of it being buried by deposits of silt from the Stikine River.

The Burnside, being heavy and hard to handle, was about thirty minutes making a landing, which is believed to be, as stated by a spectator, the reason why she almost never ties up when in port.

Many interesting stories are told of this historic ship which was captured from the Spanish during the Spanish-American War and now transformed into a transport and cable ship. On one occasion she was returning to San Francisco from the Orient. The Customs Officials of San Francisco got a tip from some source that the "jackies" had layed in a stock of fine Havana smokes, silk umbrellas, stockings etc, so when the Burnside appeared they went aboard expecting to find dutiable goods. Much was their surprise, however when none were were declared so "Loeb fashion" they commenced a search. The personal effects revealed only a small quantity of the products of the East so they commenced a search of the ship and tapped the walls for hollow spaces where the goods might be hidden and, as the story goes, found some false beams of wood which were filled with the goods dutiable to the amount of several hundred dollars.

Be the stories true or manufactured, Alaska citizens are always glad to see her appear when the cable is out of commission, for much business depends upon the dispatch which instant communication makes possible. Both ends of the cable were picked up yesterday and at 2 o'clock P. M. communication with the outside world was resumed after a vacation of some forty days.

The Only Way.

If he comes to borrow ten
I am out.
Tell him, office boy, again
I am out.
It's the only way to win
Or to save my hard earned tin,
For if he should find me in
I am out.
—Lippincott's Magazine.

LAUNDRY FOR SALE

Inquire of F. B. Leonard.
WRANGELL STEAM LAUNDRY

Tom Nagle A Repeater.

Tom Nagle, the "peddler" has proved himself a repeater by breaking the liquor to Indian laws last Sunday within about a week of his return to Wrangell. Nagle has served two sentences at McNeill's for the same offence and the prospects for a long third are good.

At St. Philip's Church

"Preparing for Him" will be the theme at St. Philip's Church Sunday evening Nov. 24. Offering for S. S. Xmas expenses, Nov. 23; Young peoples social, The following Thursday Nov. 28 th. will be Thanksgiving Day, and the theme of the discourse will be "Getting on the real bright side" offering for the poor.

The Curacao will replace the Spokane again this winter beginning next month.

NOTICE TO TAXPAYERS

Notice is hereby given that the Municipal Tax Roll of the Town of Wrangell, Alaska, for the year 1912, is now in my possession and that the said tax is now due.

The said taxes may be paid, and the amounts due will be received at my office in the "Matheson Store Building" Front Street, Wrangell, Alaska, on and after the date of this notice.

All Municipal Taxes for the year 1912, become delinquent on the 23d day of December of said year and thereafter an additional five per cent will be added to the said delinquent list.

Given under my hand and seal this 11th day of November, 1912.

F. MATHESON
Town Treasurer.

The terrible Taku wind claimed another victim the first of the month when Frank Weaver, of Juneau, was drowned while on his way to Petersburg in a gasboat.

Great Bargains In Kenyon Raincoats

Ladies Rainproof Cloth Coats
That Usually Sell For \$15.00
To \$25.00 Are Now Offered
At The Extremely Low Prices
Ranging from \$7.00 to \$10.00
For New Coats Just Received.

F. MATHESON

Department Store

General Merchandise, Furs, Forwarding

City Store

Donald Sinclair, Prop.



"Now, I'm Satisfied"

There's a world of satisfaction in the possession of a perfect range—one in which you may repose every confidence and absolutely know that your cooking and baking will be done just as you wish. You may depend upon the

Monarch Malleable Range

to give perfectly satisfactory service every day for years and years. The Monarch does not require nearly as much care as ordinary ranges and costs much less to operate. You'll surely be pleased with the Monarch.

Make Your Cooking a Daily Pleasure

We are Alaska Agents for FISHERMAN Engines

6 h. p. \$175.00 13 h. p. \$350.00

4-cycle, reversible—The Best Trolling Engine Made

General Merchandise

Wrangell - Alaska

THE WRANGELL SENTINEL

HAROLD F. DAWES, Editor and Proprietor.

Published at Wrangell, Alaska, every Thursday Afternoon

Entered as Second Class Matter, at the Wrangell, Alaska, Postoffice, under Act of Congress of March 3, 1879

\$2.50 per year in advance, otherwise \$3.00 Foreign Countries 50c extra

Three Names.

"All peace" is the meaning of the name Alfred, while Arthur means a strong man. Samuel means "heard by God."

A Natural Soap Bath.

Timor, a village in one of the East Indian islands, has a spring from which bubbles up water heavily charged with radium and alkali. It has the appearance of a miniature volcano. It forms a natural soap bath, but the worst feature is that vegetation for miles around is ruined.

Tree Life.

The tree lives about 200 years, the elm 300 to 350 years, the linden 500 to 1,000 years, the locust tree and the oak 400 years, the fir 700 to 1,200 years and palm trees 3,000 to 5,000 years.

Those Girls.

Her appetite gave me a slam. It certainly was good. She started in on deviled ham And then ate angel food. —Cincinnati Enquirer.

She was the fairest of girls And always cutting capers— In fact, she would put up her curls Each night in comic papers. —Cincinnati Enquirer.

Equal to the Occasion.

"Didn't I see you holding my daughter's hand in the parlor last night?" exclaimed the irate father.

"Y-y-yes, sir," stammered the youth "I read in the paper the other day that the wrist contains eight bones, the palm five and the fingers fourteen, and I was only trying to confirm the statement, sir." —Yonkers Statesman.

WASHING A MOTORCAR.

Precautions to Observe to Avoid Injury to the Varnish.

The factory manager of a large automobile company gives the following advice regarding the washing of a car: To wash a car properly with soap first dissolve in a pail of water sufficient soap to make a good suds. Then in the washing operation use the suds, sopping it on from the sponge instead of rubbing the soap on a wet sponge or, what is worse, rubbing it on the surface of the car. Before applying the suds the car should be rinsed thoroughly with water, using a gentle stream. This is important, as all particles of grit and dirt must be removed from the surface before applying the sponge. Apply the suds liberally where the parts are dirty; then rinse off with clear water and a fresh sponge, flowing the water below the sponge to insure that any grit and dirt that may be left on the surface are washed away before the sponge has a chance to pick them up and scratch the surface. After the final sponging the surface should be dried with a clean wet chamois.

In washing the chassis the same method is in order, except that it may be necessary to use stronger suds. Where cars are in use over oily or muddy roads frequent washing is necessary, and this washing should be done as soon as possible after the car leaves the road, as when this oil or mud dries on the car it is very difficult to remove and will damage the varnish. It being impossible under certain oil and mud conditions to remove all the stains. In this connection it is important that neither the bonnet nor radiator is washed while it is hot, as to do so will dull the luster, ruining it in a very short time.

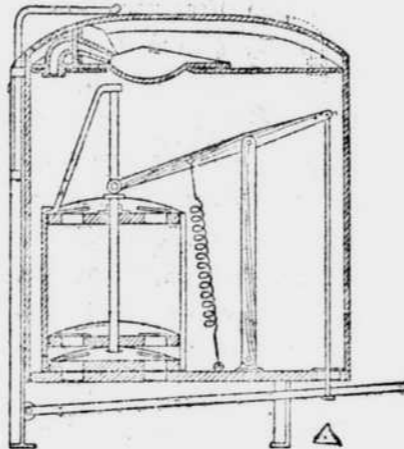
Another point which should be given attention is that the same sponge should not be used for washing both the body and the chassis. Both sponges should be of the best quality, care being taken at all times to keep them clean and in proper condition.

NOVEL BLAST FORGE.

Piston Operating in a Cylinder Produces Air Pressure.

A portable forge with a blast produced by a piston operating in a cylinder has been patented by an English inventor, who claims that the large volume of air thus compressed in the reservoir makes the blast much more even than in forges operated by bellows only.

Within the body of the forge, which is the compressed air reservoir, are the compressing cylinder and piston.



PORTABLE BLAST FORGE.

When the pedal is pressed downward by the foot of the operator the piston in the cylinder is raised, causing air to be sucked in through flap valves in the bottom. When the pressure on the pedal is released, the spring draws the piston back to the bottom of the cylinder again, and continuation of the operation causes a pressure to be set up within the reservoir.

Liquid Air as Motive Power.

Scientists declare that as a motive power for operating automobiles and motorboats liquid air is superior to the electric storage battery, since it requires no tedious waiting for the process of recharging and it delivers more than double the power of the former, with half the weight. Gasoline is not in the same class with liquid air, for the latter emits no noxious odors, nor is there any danger of explosions. As a refrigerant there is no source of cold like liquid air. Other than operating automobiles and serving as a refrigerant there is hardly a thing the human mind can think of that liquid air cannot do, from providing a magical entertainment to the production of continuous power. Yet there is lacking a process by which it can be produced cheaply enough to compete with other sources of motive forces now in use. —Chicago Tribune.

Rotary Wings For Aeroplanes.

A mechanical appliance which will render aeroplanes so stable that they cannot upset, turn turtle or plunge to the ground while flying is claimed to have been invented by a Belgian engineer. It consists of rotary wings which, when put in motion, permit the flying machines to rise directly from the ground, turn in all directions and plane with perfect security at any height in the air.

Everything New, Clean and First Class

Electric Light and Steam Heat Throughout

Well Lighted Sample Rooms for Traveling Men

WRANGELL HOTEL

JOHN G. GRANT PROPRIETOR

FIRST-CLASS BAR AND DINING ROOM IN CONNECTION

Pool, Card And Billiard Tables

Courteous Treatment Always Assured

HUMBOLDT STEAMSHIP COMPANY

The Alaska flyer HUMBOLDT will be in Wrangell

North Nov. 25 South 3 Days Later

and will sail from Wrangell about every 12 days thereafter

St. Michael T'dg Co.,

Local Agents

Tannhaeuser Beer On Draught

The "Finest" Imported Wines and Cigars

The Tannhaeuser

CHAS. BORCH, PROPRIETOR

Best Domestic And Imported Cigars

Wrangell, Alaska



Pacific Coast STEAMSHIP Company

Service to SEATTLE and all points SOUTH as follows:

City of Seattle, Nov. 17

Spokane, 10 and 23

ST. MICHAEL TRADING CO., Local Agents
G. W. Andrews, G. A., P. D., Seattle, Wash.

Pacific Coast & Norway Packing Co.

OPERATES

Cannery, Machine Shop, Saw Mill & Box Factory

We are prepared to make prompt deliveries of Lumber and Box Shooks

Largest Stock of General Merchandise

In Southeastern Alaska. Our revised prices are much lower than heretofore

See

Us before purchasing elsewhere

WE BUY

Fresh and Mild Cured Salmon

Petersburg, - - Alaska

"The Home of the Fishermen"

Wrangell Electric Light & Power Co.

Will supply you with

LIGHTS

ELECTRIC FIXTURES, LAMPS, SHADES, WIRE, SWITCHES, LAMP ADJUSTERS and BATTERIES

Why not try some of our NEW LAMPS in your home? We are local agents for PALMER BROS. engines

GIVE US A TRIAL

Palmer & Ensley, Proprietors

THE WRANGELL SAWMILL

Manufacturers of all kinds of

Spruce and Cedar Lumber; Ceiling, Flooring, Rustic Finishing, Boat Lumber, Salmon Boxes, etc. Special Attention to Building and Mining Timber

This Sawmill is prepared to make prompt delivery of Lumber in any quantity to any point in Southeastern Alaska. Parties intending to use Lumber in quantity will do well to apply for prices before going elsewhere

Willson & Sylvester Estate

WRANGELL

ALASKA

News of Local Interest

The Marion, of Petersburg, called in at this port Monday.

A. G. Royalty is moving to Craig on the Uncle Dan tonight.

A new organ is expected soon for the Catholic Church.

A little daughter was born last night to Mr. and Mrs. J. J. McTague.

Mr. and Mrs. L. C. Patenaude are preparing for a trip east to visit relatives in Montreal, Canada and Boston, Massachusetts.

J. F. Johnson, National Organizer of the Loyal Order of Moose, has been in town the past week making arrangements for the local organization which he expects to complete by the first of the year. —Join Wrangell Lodge, Loyal Order Of Moose—Free doctor and \$10. a week when sick, \$100. funeral benefit, free orphans home, widows home, old Mooses home, tuberculosis hospital and large university in East for children.

Mrs. Thomas R. Lyons, wife of Judge Lyons, of Juneau, U. S. Marshall, H. L. Faulkner, U. S. Attorney John Rustgard and Mrs. Rustgard, Z. R. Cheney and Mrs. Cheney were visitors at the residence of Wm. F. Schnabel on Federal Hill during the lay-over of the Humboldt last Friday night. Mrs. H. L. Falkner, who has been the guest of Mr. and Mrs. Schnabel, joined the party who were on their return to Juneau.

SPIRELLA Corsets—Mrs. Oscar Carlson, Agent.

A. J. KALKINS, AGENT FOR "Globe" 4 cycle Marine Motor. "Eddystone-Globe" 2 cycle, open crank-case motors. The best 2 cycle engine made. Factory rebuilt motors. "Perfex" waterproof igniters. Motsinger Autosparker.

River transportation summer and winter with Launch "Black Fox" and dog team.

For Sale— Launch Seabird, 19 feet o. a. 7 h. p. new Gray Motor—Inquire W. G. Brown & Sons

STORAGE BATTERIES, guaranteed not to sulphate. Cheaper than dry cells. Come in and see us about 'em. Wrangell Light and Power Company, at Power House.

DIRECTORY

TOWN OFFICIALS.

Mayor Chas. A. Emery
Clerk J. E. Worden
Treasurer F. Matheson

U. S. OFFICIALS.

Commissioner Wm. G. Thomas
Deputy Marshal Wm. F. Schnabel
Col. Customs F. E. Bronson
Asst. Fish & Game W'd'n F. H. Gray
Postmaster J. E. Worden

For professional and tradespeople, see advertising columns.

—Moose are storming the country. Get into the herd—costs only \$10.

Miss Mary Mantle has accepted a position as Pianist with Benders Picture Show.

The Telegraph left for Ideal Cove this morning with a scow load of 100 tierces.

The eighth grade students are looking for a yell. It'll be a dandy if it beat the coasting club yell.

The Wrangell friends of Mrs. A. J. Palmer are grieved to receive the sad news of her death from apoplexy at her home in Stamford, Nebraska, November 9th., aged 63 years. Mrs. Palmer was a pioneer of Nebraska having emigrated there from Michigan in the early seventies. Her Wrangell acquaintances were made while visiting her sons here.

Mr. and Mrs. J. G. Grant will leave for Vancouver and Seattle Friday on the May.

Manager Wm. Lewis has a big 8 oz duck covering on the way north for the rink floor, which will be used for dancing as well as skating.

Have you figured out what Entertainment the Red Men are to give Xmas Time? ? ? ? ?

Capt. Jensen, S. Cunningham, H. Gartley and M. N. Tate made a successful trip to the flats for ducks Monday.

C. P. Cole was a passenger to Juneau on the Spokane.

Mrs. R. C. Mathis took passage on the Spokane Wednesday en route to Douglas.

Mr. and Mrs. Childs, of Seattle, Washington are expected north on the Al-Ki to take over the Olympic Restaurant property from J. J. McTague.

Mr. and Mrs. Wm. Fletcher and Mr. and Mrs. Elmer Carlstrom have adopted the two little girls E. Miller has been taking care of.

SCHOOL SUPPLIES

WRANGELL DRUG CO.

WRANGELL CHARTER

Loyal Order Of Moose

Now open for short time only

Initiation Fee, \$10.00 Doctor's Examination, Free. Benefits, \$9.00 week. \$100.00 Funeral Benefit. Free physician for self and family.

J. FREDERICK JOHNSON, National Organizer.

FELDSPAR INDUSTRY.

Mineral Used Principally in the Manufacture of Pottery.

The year 1911 showed the largest production ever recorded in the feldspar industry, the output being greater by 901 tons in quantity and \$20,064 in value than that of 1907, the year of maximum production until 1911, according to the United States geological survey.

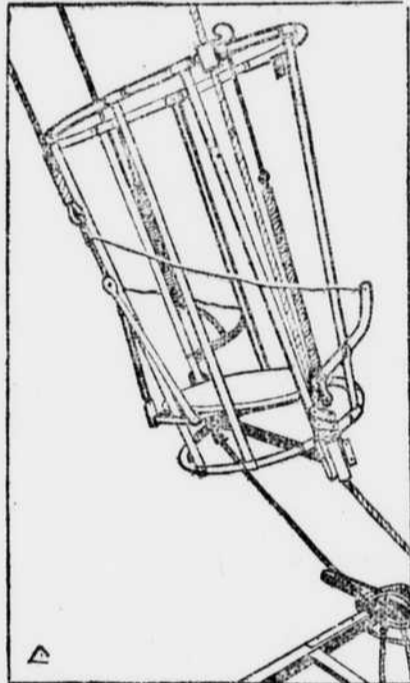
The principal use of feldspar is in the manufacture of pottery, enamel ware, enamel brick and electrical ware. Of these the most important is its use in the body and glaze of pottery and vitrified sanitary ware, in which it constitutes from 10 to 35 per cent. Its value in pottery lies in the fact that it melts at a lower point than the other ingredients and serves as a flux, binding the clay and quartz particles together. In glazes the percentage of feldspar used is higher than in the body and runs from 30 to 50 per cent.

Other uses of feldspar, which do not require the high grade demanded by the pottery trade, are in the manufacture of emery and corundum wheels, where it serves as a flux; in the manufacture of opalescent glass; as a poultry grit; as a constituent of roofing material and as ballast. Small quantities of the purest grades of potash feldspar are used in the manufacture of artificial teeth. For this purpose it brings the highest prices, from \$9 to \$8 a barrel of 350 pounds. It is also used in the manufacture of scouring soaps and window wash. The use of feldspar of the lower grades for poultry grit, roofing, etc., seems to be on the increase, and in 1911 a small quantity was used as railroad ballast.

NEW TYPE OF FIRE ESCAPE.

Cage Mounted on Extensible Tower Carried on a Truck.

The fire department of Birmingham, England, has been testing a new type of fire escape by which the persons rescued reach the ground in a cage or cradle raised and lowered by means of a cable, and guided by side cables.



CAGE OF NEW FIRE ESCAPE.

The apparatus is run to a fire in the same manner as a ladder truck, the escape tower is then extended up along the building, and the cradle is raised and lowered like an elevator cage.

The cradle is provided with an automatic brake which fixes the cradle on the guide cables should the lifting cable break.

Paper Pneumatic Tires.

According to a foreign periodical, not only is paper a suitable material for the manufacture of wheels for railway wagons, but it may be used for the construction of pneumatic tires, possessing the strength of steel and the "elasticity" of rubber. It is absolutely noiseless, resistant to wet and oil and cheaper than rubber tires.

Flannel Shirts

Querecoats

Warm Blankets

And Comforts

Colder Weather

Staples



They stand inspection!

BUY HALIBUT GEAR

Thlinget Trading Company

Dealers in

General Merchandise

Wrangell, Alaska

Costs More to Brew

Costs You No More

Angeles Beer

At all Leading Bars in Wrangell

CENTRAL SALOON

Cunningham & Sorset, Proprietor.

Bohemian Draught Beer a Specialty

Select Stock of Wines, Liquors, and Cigars. Pool & Billard Tables

SHIP YOUR

RAW FURS

TO THE

McMILLAN FUR & WOOL CO.

200-212 First Avenue North

MINNEAPOLIS, MINN.

Alaska Furs a specialty. Very top prices paid. Quick cash returns. Shipments held until returns approved, when requested. Make trial shipment. Convince Yourself. WRITE FOR CIRCULARS



Best Rooms at Reasonable Rates

STIKINE HOTEL

A. Lemieux, Prop.

BREWERY BAR

Billards, Pool and Cards

Arctic Brotherhood

Camp Wrangell, No. 28

Meets every Wednesday at 8 P. M. sharp, at Red Men's Lodge Rooms.

Visiting Brothers Cordially Invited

C. M. COULTER, A. C. S. C.

SHURICK, A. R.

Fresh Milk

The kind that nice rich CREAM rises on is what you need I can supply you with it in any quantity. Try some.

N. L. MOEN

PATENAUDE

carries a fine line of

SMOKERS' ARTICLES

WHOLESALE OR RETAIL

Raw Furs!

WE PAY

High Prices for

Fine Furs

Write for Price List

Percy's Fur House

OSHKOSH, WISCONSIN

Established

1872

Wrangell Drug Co.

L. P. Dawes, M. D. Prop.

The place to Buy-

Prescriptions

Toilet Articles

Stationery

Novelties

Come in and see

Boosting

Help your town along by boosting! Wear a bright and hopeful face. Do not be forever roosting somewhere near the wailing place. You can't help your town by knocking if it's in a backward groove, but some optimistic talking does a lot to help things move. In the mud one town was sticking, evidently anchored there, for her people all were kicking, all are dishing up despair. All were groaning over their taxes, shedding teardrops in a stream, all had hammers, clubs and axes, ready for each helpful scheme. So the village sat and rotted till a booster landed there; soon the trouble's seat he spotted, saw the fungus in the air, and he jarred the village croakers, stirred them up to hump along till the place was full of jokers and the breeze was full of song. Citizens forsook the habit of bewailing this and that, and the timid business rabbit rustled like a tiger cat, and they all turned in kerwhopping, singing forth the hamlet's praise, and the hamlet, lately drooping, filled its neighbors with amazement. Now this story, true as preaching, shows what one lone man can do, if instead of doleful screeching, he yells "cockadoodedoo!" For you stimulate your neighbor every time you give three cheers, and the harvest of your labors will be repeated in coming years.—WALT MASON.

Various Uses of Quartz.

Quartz occurs in many different forms, such as sand, tripoli sandstone and quartzite. In some forms, such as rose and smoky quartz and amethystine quartz, it has a gem value. The figures on quartz production issued by the United States geological survey deal only with massive crystalline quartz, with flint and with quartzite that is used for other than building or paving purposes. These grades of quartz are used in the manufacture of pottery, paints and scouring soap and as wood filler. Considerable quantities of ground quartz are used in the manufacture of paint, in some cases as much as one-third of the total pigment consisting of this material. Quartz crushed and graded to various sizes is used in the manufacture of sandpaper, sand belts, as a scouring agent with sand blast apparatus, etc. Blocks of massive quartz and quartzite are used in the chemical industry and as a flux in copper smelting. Ground quartz is also used in filters and in tooth powders and by dentists as a detergent.

Moth Larvae Poisonous.

The human skin is pierced by hairs of larvae of the processionary moth, caterpillars that sometimes swarm over Europe in great numbers, and painful swelling, itching, and great irritation result. A Belgian investigator, C. Pittiez, has found that the effects are not merely mechanical, but are due to chemical poisoning. On soaking the hairs in ether they lost their irritant properties, but the unpleasant symptoms were caused by the substance dissolved out. This substance, of which 0.28 per cent was extracted, has the chemical and physiological properties of cantharidin, the poisonous principle of cantharides.

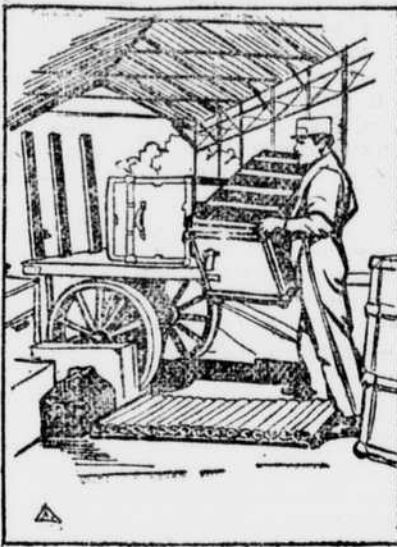
Museum of the Rhine.

A Rhine museum is soon to be founded at Koblenz if present plans are carried out. It will include a large collection of charts, pictures, models and diagrams illustrating the physical conditions, past and present, of the famous river and a complete exposition of its economic history. Some of the unique features will be models of the various types of vessels used on the Rhine from early times to the present, models of past and present bridges, illustrations of the methods and apparatus used in maintaining and improving the navigability of the river. The city of Koblenz has already given a site for the building.

BAGGAGE PROTECTOR.

Simple and Effective Cushion Made of Scrap Rubber Hose.

Baggage smashing will soon become one of the lost arts if the simple and effective device shown in the accompanying illustration is put into general use, says Popular Mechanics. The cushion or mat upon which the trunk descends in unloading was recently adopted by the Cumberland Valley railroad, and that company reports that



CUSHION BAGGAGE PROTECTOR.

It has proved very efficacious. The picture shows it in use at one of their stations.

The cushion is composed of four strips of hard wood to which are nailed twenty-four pieces of scrap air brake hose. The hose lengths are held in place by one and one-half inch clout nails, driven through the strips of wood and clinched to the hose by means of an iron rod inserted while the nails are being driven. The cushions are twenty-two and a quarter inches wide and four feet four inches long.

NICKEL PLATING IRON.

Method of Depositing a Coating of Silver or Nickel by Friction.

The following methods of plating iron with nickel and silver appeared in a recent issue of a German paper: In nickel plating iron a thin coating of copper is first produced on it by rubbing on a solution of twenty parts sulphate of copper, five parts sulphuric acid and 100 parts of water. After the copperplate has been formed rub over it with a rag a solution of three parts tin, six parts nickel and one part iron in 100 parts of hydrochloric acid and three parts of sulphuric acid. If finally the object is rubbed with a rag that has been dipped in finely pulverized zinc a nickel deposit will be formed on the copper. The thickness of the deposit of nickel can be increased by repeating the two last operations.

According to a recent patent, a silver coating can be produced by dissolving freshly precipitated chloride of silver in a solution of hyposulphite of soda, 1.1 parts to ten parts of water, and adding to this solution 180 parts spirits of sal ammoniac and then stirring in 800 parts of finely washed chalk. This mixture is applied and rubbed until it dries on the object being silvered, and the result is a brilliant deposit of pure silver.

JEFFERSON DOLPHIN

Regular Sailings North and South

Every 6 Days

Best of Boats

Best of Service

Connect at Juneau for the Westward.

Connect at Seattle with trains for all points.

Alaska Steamship Company

Lowman Bldg. Seattle, Wash.

Wrangell Steam Laundry
F. B. Leonard Prop.

Up-to-date Laundry Work
At the Right Prices

Wrangell, Alaska

Just Received

A Large Assortment of

Granite, Tin, Crockery and Glass
WARE

Come In and look over our line of
Ladies' and Children's Summer Dresses.

Don't Forget!

Our Large stock of Ship Chandlery
and Hardware

TINSMITHING and PLUMBING

Order your next Gasoline Tank from us and Get Results

FREE! Do your purchasing from us and get a
check on a set of COMMUNITY SILVER

St. Michael Trading Co.

P. C. McCormack, Prop.

Wrangell - - Alaska

WRANGELL MACHINE SHOP

Katzenmeyer & Gingrass, Props.

UP-TO-DATE machines: New and Complete stock
of Fittings: Best Workmanship—

Agents for FERRO marine motors

Wrangell, - - Alaska

S. C. SHURICK, M. D.

PHYSICIAN AND SURGEON

CALLS ATTENDED DAY OR NIGHT

OFFICE, REAR OF DRUG STORE

WRANGELL - ALASKA

LEONARD P. DAWES, M.D.

PHYSICIAN AND SURGEON

Office in rear

DRUG STORE

WRANGELL - ALASKA

FRANK R. NYE
WATCH
and
CLOCK
DOCTOR

Bring or send in your sick
timepieces or broken jewelry
and I'll fix 'em good
as new.

FRONT STREET

Wrangell - Alaska

C. A. EMERY, D. D. S.

DENTISTRY PRACTICED

IN ALL ITS BRANCHES

Office and residence over printshop

Hours, 9 to 12 and 1 to 5

Other hours by Appointment

WRANGELL - ALASKA

Stickine Tribe Number 5

Imp. O. R. M.

Meets Tuesday evening of each
week at Red Men's Hall, Wrangell,
Alaska. Sojourning chiefs always
welcomed.

Dr. C. A. Emery, Sachem.

L. M. Churchill, C. of R.

People Read
Sentinel Ads.
YOU Are Doing
It NOW

FRED C. MILES

General Merchandise

WRANGELL, ALASKA